

PC25193A SEQ LIST.ST25.txt
SEQUENCE LISTING

<110> Pfizer Inc.
Pandit, Jayvardhan
<120> CRYSTAL STRUCTURE OF 3', 5'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE
(PDE1B) AND USES THEREOF
<130> PC25193A
<150> US 60/458,946
<151> 2003-03-31
<160> 2
<170> PatentIn version 3.2
<210> 1
<211> 536
<212> PRT
<213> Homo sapiens
<400> 1

Met Glu Leu Ser Pro Arg Ser Pro Pro Glu Met Leu Glu Glu Ser Asp
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Cys Pro Ser Pro Leu Glu Leu Lys Ser Ala Pro Ser Lys Lys Met Trp
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Ile Lys Leu Arg Ser Leu Leu Arg Tyr Met Val Lys Gln Leu Glu Asn
35 40 45
Gly Glu Ile Asn Ile Glu Glu Leu Lys Lys Asn Leu Glu Tyr Thr Ala
50 55 60
Ser Leu Leu Glu Ala Val Tyr Ile Asp Glu Thr Arg Gln Ile Leu Asp
65 70 75 80
Thr Glu Asp Glu Leu Gln Glu Leu Arg Ser Asp Ala Val Pro Ser Glu
85 90 95
Val Arg Asp Trp Leu Ala Ser Thr Phe Thr Gln Gln Ala Arg Ala Lys
100 105 110
Gly Arg Arg Ala Glu Glu Lys Pro Lys Phe Arg Ser Ile Val His Ala
115 120 125
Val Gln Ala Gly Ile Phe Val Glu Arg Met Phe Arg Arg Thr Tyr Thr
130 135 140
Ser Val Gly Pro Thr Tyr Ser Thr Ala Val Leu Asn Cys Leu Lys Asn
145 150 155 160
Leu Asp Leu Trp Cys Phe Asp Val Phe Ser Leu Asn Gln Ala Ala Asp
165 170 175

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Asp His Ala Leu Arg Thr Ile Val Phe Glu Leu Leu Thr Arg His Asn
 180 185 190
 Leu Ile Ser Arg Phe Lys Ile Pro Thr Val Phe Leu Met Ser Phe Leu
 195 200 205
 Asp Ala Leu Glu Thr Gly Tyr Gly Lys Tyr Lys Asn Pro Tyr His Asn
 210 215 220
 Gln Ile His Ala Ala Asp Val Thr Gln Thr Val His Cys Phe Leu Leu
 225 230 235 240
 Arg Thr Gly Met Val His Cys Leu Ser Glu Ile Glu Leu Leu Ala Ile
 245 250 255
 Ile Phe Ala Ala Ala Ile His Asp Tyr Glu His Thr Gly Thr Thr Asn
 260 265 270
 Ser Phe His Ile Gln Thr Lys Ser Glu Cys Ala Ile Val Tyr Asn Asp
 275 280 285
 Arg Ser Val Leu Glu Asn His His Ile Ser Ser Val Phe Arg Leu Met
 290 295 300
 Gln Asp Asp Glu Met Asn Ile Phe Ile Asn Leu Thr Lys Asp Glu Phe
 305 310 315 320
 Val Glu Leu Arg Ala Leu Val Ile Glu Met Val Leu Ala Thr Asp Met
 325 330 335
 Ser Cys His Phe Gln Gln Val Lys Thr Met Lys Thr Ala Leu Gln Gln
 340 345 350
 Leu Glu Arg Ile Asp Lys Pro Lys Ala Leu Ser Leu Leu Leu His Ala
 355 360 365
 Ala Asp Ile Ser His Pro Thr Lys Gln Trp Leu Val His Ser Arg Trp
 370 375 380
 Thr Lys Ala Leu Met Glu Glu Phe Phe Arg Gln Gly Asp Lys Glu Ala
 385 390 395 400
 Glu Leu Gly Leu Pro Phe Ser Pro Leu Cys Asp Arg Thr Ser Thr Leu
 405 410 415
 Val Ala Gln Ser Gln Ile Gly Phe Ile Asp Phe Ile Val Glu Pro Thr
 420 425 430
 Phe Ser Val Leu Thr Asp Val Ala Glu Lys Ser Val Gln Pro Leu Ala
 435 440 445

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Asp Glu Asp Ser Lys Ser Lys Asn Gln Pro Ser Phe Gln Trp Arg Gln
450 455 460

Pro Ser Leu Asp Val Glu Val Gly Asp Pro Asn Pro Asp Val Val Ser
465 470 475 480

Phe Arg Ser Thr Trp Val Lys Arg Ile Gln Glu Asn Lys Gln Lys Trp
485 490 495

Lys Glu Arg Ala Ala Ser Gly Ile Thr Asn Gln Met Ser Ile Asp Glu
500 505 510

Leu Ser Pro Cys Glu Glu Glu Ala Pro Pro Ser Pro Ala Glu Asp Glu
515 520 525

His Asn Gln Asn Gly Asn Leu Asp
530 535

<210> 2
<211> 366
<212> PRT
<213> Homo sapiens

<400> 2

Thr Tyr Thr Ser Val Gly Pro Thr Tyr Ser Thr Ala Val Leu Asn Cys
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Leu Lys Asn Leu Asp Leu Trp Cys Phe Asp Val Phe Ser Leu Asn Gln
20 25 30

Ala Ala Asp Asp His Ala Leu Arg Thr Ile Val Phe Glu Leu Leu Thr
35 40 45

Arg His Asn Leu Ile Ser Arg Phe Lys Ile Pro Thr Val Phe Leu Met
50 55 60

Ser Phe Leu Asp Ala Leu Glu Thr Gly Tyr Gly Lys Tyr Lys Asn Pro
65 70 75 80

Tyr His Asn Gln Ile His Ala Ala Asp Val Thr Gln Thr Val His Cys
85 90 95

Phe Leu Leu Arg Thr Gly Met Val His Cys Leu Ser Glu Ile Glu Leu
100 105 110

Leu Ala Ile Ile Phe Ala Ala Ala Ile His Asp Tyr Glu His Thr Gly
115 120 125

Thr Thr Asn Ser Phe His Ile Gln Thr Lys Ser Glu Cys Ala Ile Val
130 135 140

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Tyr Asn Asp Arg Ser Val Leu Glu Asn His His Ile Ser Ser Val Phe
 145 150 155 160
 Arg Leu Met Gln Asp Asp Glu Met Asn Ile Phe Ile Asn Leu Thr Lys
 165 170 175
 Asp Glu Phe Val Glu Leu Arg Ala Leu Val Ile Glu Met Val Leu Ala
 180 185 190
 Thr Asp Met Ser Cys His Phe Gln Gln Val Lys Thr Met Lys Thr Ala
 195 200 205
 Leu Gln Gln Leu Glu Arg Ile Asp Lys Pro Lys Ala Leu Ser Leu Leu
 210 215 220
 Leu His Ala Ala Asp Ile Ser His Pro Thr Lys Gln Trp Leu Val His
 225 230 235 240
 Ser Arg Trp Thr Lys Ala Leu Met Glu Glu Phe Phe Arg Gln Gly Asp
 245 250 255
 Lys Glu Ala Glu Leu Gly Leu Pro Phe Ser Pro Leu Cys Asp Arg Thr
 260 265 270
 Ser Thr Leu Val Ala Gln Ser Gln Ile Gly Phe Ile Asp Phe Ile Val
 275 280 285
 Glu Pro Thr Phe Ser Val Leu Thr Asp Val Ala Glu Lys Ser Val Gln
 290 295 300
 Pro Leu Ala Asp Glu Asp Ser Lys Ser Lys Asn Gln Pro Ser Phe Gln
 305 310 315 320
 Trp Arg Gln Pro Ser Leu Asp Val Glu Val Gly Asp Pro Asn Pro Asp
 325 330 335
 Val Val Ser Phe Arg Ser Thr Trp Val Lys Arg Ile Gln Glu Asn Lys
 340 345 350
 Gln Lys Trp Lys Glu Arg Ala Ala Ser Gly Ile Thr Asn Gln
 355 360 365